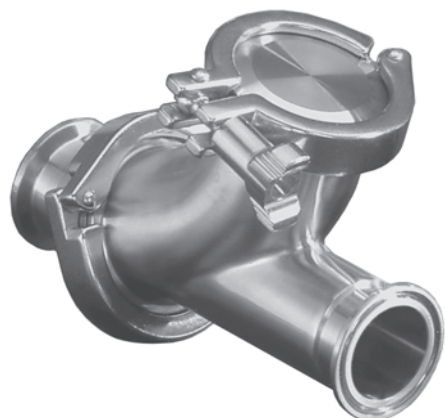




## Y-Ball Check Valve



### Application

Get control with the Bradford™ Y-ball check valves. These valves are designed to prevent reverse flow in systems moving liquid products.

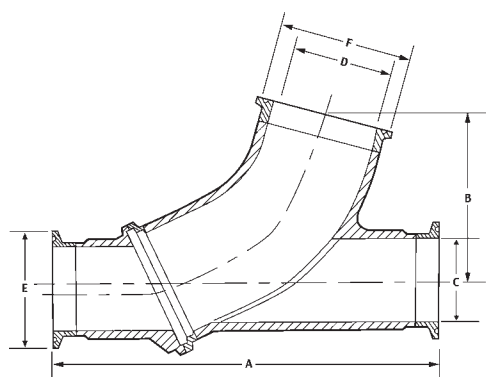
### Working Principle

When the liquid flows into the inlet, the PTFE ball rolls up into the branch of the valve allowing full fluid flow. When the flow stops, equalizing the pressure, the ball drops back into the seat, preventing backflow. Should reverse flow occur, the opposing pressure will cause the ball to seat firmly against the gasket preventing backflow.

### Features and Benefits

- Two-piece construction for easier alignment
- Replace seat instead of entire valve
- PTFE ball
  - > better heat and abrasion resistance
  - > lasts longer between maintenance cycles
- Easy cleaning, no tools required
- Polished ID and OD to 3A standards
- All metal product surfaces are CF8M (316) stainless steel construction
- Air blow check valve can be added (see air blow check valve for sizing)

## Technical Data, Specifications and Dimensions



Size	Dimensions (in)					
	A	B	C	D	E	F
1½"	7.5	3.3	1.365	1.875	1.984	2.516
2"	8.5	3.9	1.865	2.335	2.516	3.047
2½"	10.0	4.5	2.370	2.870	3.047	3.579
3"	11.5	5.3	2.870	3.834	3.579	4.682

Part Number	Valve Size (in)	Weight (lbs)	Cap Size	Clamp Size	Cap Gasket	Ball Diameter (in)
B45BY-R150	1½	4.9	2	2	2	1.6
B45BY-R200	2	6.6	2½	2½	2½	2.1
B45BY-R250	2½	10.5	3	3	3	2.7
B45BY-R300	3	17.5	4	4	4	3.6

- See Valve and Actuation catalog for more technical information.
- **Note:** all dimensions are in inches. Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.